<u>CLAIMS</u>

supa (17	1 2 3 4 5 6	1.	A current acquisition coil according to the Rogowski principle with printed conductors (22, 23, 24, 25), whose configuration yields a coil winding (20, 21), and whose printed conductor ends are connected with each other by through platings (26, 27, 28, 29) on the printed circuit board (1, 10), characterized in that the current acquisition coil is open on at least one side, thereby generating a gap (7) that can be opened and then closed again.
	1 2 3	2.	A current acquisition coil according to claim 1, characterized in that the structure of the coil consists of two annular printed circuit board segments (1, 10), which are each connected with each other on one side by a hinge (6). A current acquisition coil according to claim 1 or 2, characterized in that the printed
the state of the second st	2 3 4 1 2	4.	conductor ends (13) of the coil winding on the first printed circuit board segment (1) are connected by means of flexible conductors (12) with the printed conductor ends (13) of the coil winding on the second printed circuit board segment (10). A current acquisition coil according to claim 1, characterized in that the structure of the coil consists of a single-piece, slit and twistable printed circuit board segment (1).
	1 2 3	5.	A current acquisition coil according to one of the preceding claims, characterized in that the printed circuit board (1, or 1 and 10) of the current acquisition coil is built around several layers.

Sch 447	1	6.	A current acquisition coil according to claim 5, characterized in that two layers a	r _o
	2		provided for the printed conductors of the incoming winding (22, 22a, 23, 23a), ar	16
	3		two additional layers are provided for the printed conductors of the returning windir	10
	4		(24, 24a, 25, 25a).	ıg
1	1	7.	A current acquisition coil according to one of the preceding claims, characterized i	n
	2		that the components for an electronic circuit (19) are arranged on the printed circuit	it
	3		board (1).	
	1 2 3 4 5 6 7	8.	A current acquisition coil according to the Rogowski principle with printed conductors (22, 23, 24, 25), whose arrangement yields a coil winding (20, 21), and whose printed conductor ends are connected with each other by through platings (26, 27, 28, 29) on the printed circuit board (1, 10), characterized in that the printed circuit board for the conductor to be measured accommodates electrical terminals (56), which are connected with each other via printed conductors (52, 54) and at least one through plating (53) in an axial direction in the center of the coil.	1
	1	9.	A current acquisition coil according to claim 8, characterized in that the printed circuit	
	2		board (1, or 1 and 10) of the current acquisition coil is built around several layers.	
	1	10.	A current acquisition coil according to claim 9, characterized in that two layers are	
	2		provided for the printed conductors of the incoming winding (22, 22a, 23, 23a), and	
	3		two additional layers are provided for the printed conductors of the returning winding	
4	4		(24, 24a, 25, 25a).	

Suhally	1	11.	A current acquisition coil according to one of the claims 8 to 10, characterized in that
	2		the components for an electronic circuit (19) are arranged on the printed circuit board
	3		(1).